Call Nr: 1053995

AUTHORS: Shul'zhenko, M. N., Mostovoy, A. S.

TITLE: Course in Aircraft Design (Kurs konstruktsiy samoletov)

PUB. DATA: Oborongiz, Moscow 1956, 528 pp., 11,500 copies

ORIG. AGENCY: None

EDITOR: Reviewer: Grigor'yev, V. L., Eng.; Editor:
                Burakova, O. N.; Managing Editor: Sokolov, A. I.,
                Eng.; Publ. House Editor: Poseva, G. F.; Tech. Ed.:
                Gladkikh, N. N.

PURPOSE: The book was intended as a textbook for aviation
                tekhnikums. It may also serve as a manual for students
                of aviation schools and colleges and for members of the
                Air Force and Civil Air Fleet with a secondary technical
                education.

COVERAGE: The book represents the first attempt to create a syste-
Card 1/13   matic course in aircraft design. The authors do not

Course in Aircraft Design (Cont.)   Call Nr: 1053995
    claim, however, to have covered fully this field. To follow
    the text, its readers must know elementary mathematics, have
    some notion of calculus, and some basic knowledge of mechanics,
    aerodynamics, and strength of materials. There are 23 references,
    all USSR. Contemporary designers mentioned include: Tupolev, A.N.
    Il'yushin, S. V.' Mikoyan, A. I.; Myasishchev, V. M.;
    Yakovlev, A. S.; Lavochkin, S. A.; Sukhom, P. O.; Klimov, V. Ya.;
    and Lyul'ka, A. M. Some of the aircraft they designed are
    identified.

                        TABLE OF CONTENTS

                            Part I

          Fundamentals of Structural Mechanics of Aircraft

Card 2/13

PANTLAK, Iosif Nikolayevich; ROPTANOV, Fedor Ivanovich; SHUL'ZHENKO, M.N., prof., retsenzent

[Science of airplanes] Samoletovedenie. Moskva, Mashino-stroenie, 1964. 206 p. (MIRA 17:11)

SHUL'ZHENKO, Mikhail Nikitich; MOSTOVOY, Anatoliy Solomonovich;
    GRIGOR'YEV, V.L., inzh., retsenzent; SPEKHOV, A.I., inzh.,
    red.

    [A course in the construction of airplanes] Kurs konstruktsii
    samoletov. 2. izd., dop. i perer. Moskva, Mashinostroenie,
    1965. 562 p.   (MIRA 18:6)

L 3528-66   EWT(d)/EWT(m)/EWP(w)/EPF(c)/FA/EWA(d)/EWP(j)/T-2/EWP(k)/EWP(h)/EWP(z)/
AM5018665 EWP(b)/EWA(h)/ETC(m)/ BOOK EXPLOITATION   UR/
EWP(t)   JD/WW/EM/DJ/WE/JT/RM   629.13(075)

Shul'zhenko, Mikhail Nikitich; Mostovoy, Anatoliy Solomonovich

Course in aircraft design (Kurs konstruktsiy samoletov) 2d ed., rev. and enl.
  Moscow, Izd-vo "Mashinostroyeniye", 1965.   562 p. illus., biblio., tables.
  9000 copies printed.

TOPIC TAGS: aircraft design principles, aircraft subassembly, aircraft reliability
  estimate

PURPOSE AND COVERAGE: This monograph is a textbook to be used by students attending
  aviation engineering schools and may be a helpful guide to technical personnel
  working in the aircraft industry. The second enlarged and revised edition of a
  Course in Aircraft Design was written in accordance with the curriculum prescribed
  for aviation engineering schools. The book consists of three parts. Part I ex-
  plains the principles of structural mechanics to the extent needed for an approxi-
  mate calculation of the structural strength of an aircraft. Part II discusses
  the principles of aircraft design and contains some general information on air-
  craft: Aircraft components such as wings, tail, fuselage, power plants (including

Card 1/4

L 3528-66
AM5018665

fuel and lubrication systems), controls, and landing gear are discussed in Part III. There are 116 formulas, 366, figures, 6 tables, and 22 references, all Russian.

TABLE OF CONTENTS:

Card 2/4

L 3528-66
AM5018665

SECTION II.   AIRCRAFT DESIGN PRINCIPLES — 64

SECTION III.   DESIGN AND STRENGTH
CALCULATION OF AIRCRAFT SUBASSEMBLIES — 160

Card   3/4

L 3528-66
AM5018665

SUB CODE: AS   SUBMITTED: 01Mar65   NO REF SOV: 022

OTHER: 000

Card 4/4

SHUL'ZHENKO, N.F., inzh.

Is it necessary to separate engineering and working drawings
of ships? Sudostroenie 25 no.4:42-44 Ap '59.   (MIRA 12:6)
          (Naval architecture) (Mechanical drawing)

SHUL'ZHENKO, P.A., inzh.

Reserves for increasing the efficiency of electric traction. Zhel.
dor.transp. 40 no.10:13-18 O '58.   (MIRA 11:12)
           (Electric railroads--Management)

SHUL'ZHENKO, P.A., inzh.

Train schedules and organization of the efficient use of new types of traction. Zhel. dor. transp. 41 no.4:20-26 Ap '59.
(MIRA 12:6)

(Railroads--Timetables)
(Railroads--Management)
(Locomotives)

TIKHOMIROV, I.G., prof., doktor tekhn. nauk; TULUPOV, L.P., kand. tekhn. nauk;
        NEVZOROV, A.V., kand. tekhn. nauk; BUYANOV, V.A., inzh.; MUKHO, P.B.,
        inzh.; VINNICHENKO, A.V., inzh.; SHUL'ZHENKO, P.A., inzh.; YARMOLENKO,
        V.Ye., inzh. (Gomel')

        "Organization of railroad traffic" by F.P. Kochnev and others.
        Reviewed by I.G. Tikhomirov and others. Zhel. dor. transp. 41
        no.4:93-96 Ap '59.   (MIRA 12:6)
                        (Railroads--Traffic)
                        (Kochnev, F.P.)

SHUL'ZHENKO, P. A.

Cand Tech Sci - (diss) "Study of elements of organization of
train movement,on graphs, using electric traction." Gomel',
1961. 18 pp; (Ministry of Railways USSR, Belorussian Inst
of Railroad Transport Engineers); 200 copies; price not given;
(KL, 7-61 sup, 249)

TIKHOMIROV, I.G., prof., doktor tekhn. nauk; BUYANOV, V.A., ass.;
    VINNICHENKO, A.V., ass.; MUKHO, P.B.,ass.; NEVZOROV, A.V.,
    dots.; TULUPOV, L.P., dots.; SHUL'ZHENKO, P.A., ass.;
    YARMOLENKO, V.Ye.,ass.; Prinimal uchastiye PETROV, A.P.,
    prof.; VEREVKINA, N.M., red.; BELEN'KAYA, I.Ye., tekhn.
    red.

    [Traffic organization in railroad transportation]Organiza-
    tsiia dvizheniia na zheleznodorozhnom transporte; konspekt
    lektsii. Pod obshchei red. I.G.Tikhomirova. Minsk, Izd-
    vo M-va vysshego, srednego spetsial'nogo i professional'-
    nogo obrazovaniia BSSR, 1961. 346 p.   (MIRA 15:9)

    1. Chlen-korrespondent Akademii nauk SSSR (for Petrov).
                (Railroads--Traffic)

SHUL'ZHENKO, P.A., assistent

Combined use of electric and diesel locomotives. Trudy BIIZHT
no.9:57-69 '61.   (MIRA 16:9)
    (Railroads--Management) (Locomotives)

SHUL'ZHENKO, P.A.,assistent

Coefficient of speed within sections and the specific train
stop-overs. Trudy BIIZHT no.9:77-87 '61.   (MIRA 16:9)
                (Railroads—Traffic)

17(2)

SOV/177-58-9-15/51

AUTHORS: Shul'zhenko, V.M., Colonel of the Medical Corps, Candi-
             date of Medical Sciences; Enkler, Z.K.; Kuz'mina,
             Yu.T., Lieutenant-Colonel of the Medical Corps; and
             Kogan, R.F.

TITLE: The Study of the Etiological Characteristics of Dysentery

PERIODICAL: Voyenno-meditsinskiy zhurnal, 1958, Nr 9, pp 53-55
             (USSR)

ABSTRACT: The article analyzes the data of the etiological
             structure of dysentery in soldiers, hospitalized in
             the years 1951/53, in the civilian population during the
             same years and in other soldiers. The changes in the
             etiological structure are given in tables. The author
             came to the following conclusions: 1) on the whole,
             the etiological characteristic of dysentery in sol-
             diers who were treated in a hospital during 1951/53,
             corresponds with past data; 2) there is no epidemiolo-
             gical connection between soldiers and civilians who
             lived in the same town during 1951/53; 3) for a full
             epidemiological analysis of the structure of dysentery,

Card 1/2

SOV/177-58-11-15/50

The Diagnosis of Remote Sequela of Closed Injuries of the Cere-
brum in the Practice of Experts and of Dispensaries

>   the diagnosis of remote sequela of closed cerebral
>   injuries. Based on material of mass investigations
>   (more than 5,000), the relative evaluation of the
>   frequency of microsymptoms in persons, who sustained
>   a closed cerebral injury in the past shows that the
>   oculo-motor nerve is most frequently injured (70%).
>   The author suggests a method according to which the
>   person under investigation has to fix the eyes at
>   a motionless subject for 8-10 seconds in order
>   to reveal the weakness of the muscles that innervate
>   the oculo-motor nerves. In patients who sustained
>   closed cranial traumas, the look declines from the
>   fixing object to one side or the other. Thus, the
>   symptom of a "defect of the fixation of the look" per-
>   mits to recognize a cranial trauma before the anam-
>   nesis has been established. One case report is given.

Card 2/2   .

SHUL'ZHENKO, V.M. (Moskva); ANTONOVA, A.A. (Moskva)

Gelatin filters for the bacteriological analysis of air. Gig. i san.
24 no.9:85-86 S '59.   (MIRA 13:1)
                (AIR FILTERS)   (AIR--BACTERIOLOGY)

ALEKSANDROV, N.I.; GEFEN, N.Ye.; SHUL'ZHENKO, V.M.; ALEKSANDROV, P.M.;
    LEBEDINSKIY, V.A.; KAVERINA-FIRGANG, K.G.; KUZNETSOVA, V.I.;
    BEKKER, M.L.; VORONIN, Yu.S.

Search for effective chemical vaccines against some zoonoses.
Report No.3:Development of a chemical plague vaccine and its
experimental test in animals. Zhur. mikrobiol., epid. i immun.
4 no.4:66-71 Ap '63.   (MIRA 17:5)

L 5132-66   EWT(1)/FS(v)-3   DD
ACC NR: AP5027476   SOURCE CODE: UR/0219/65/060/010/0036/0039

AUTHOR: Shul'zhenko, Ye. B.

ORG: Laboratory of General and Experimental Cardiology of the Institute of Normal
and Pathological Physiology, AMN SSSR, Moscow (Laboratoriya obshchey i eksperi-
mental'noy kardiologii Instituta normal'noy i patologicheskoy fiziologii AMN SSSR)

TITLE: Characteristics of reflex regulation of hemodynamic changes under the in-
fluence of transversely directed acceleration forces

SOURCE: Byulleten' eksperimental'noy biologii i meditsiny, v. 60, no. 10, 1965,
36-39

TOPIC TAGS: biologic acceleration effect, animal physiology, blood circulation,
cardiovascular system, dog

ABSTRACT: Experiments were conducted to clarify the mechanism of hemodynamic changes
in the animal organism during acceleration. Anesthetized dogs of both sexes were
subjected to chest-to-back acceleration of 9 g for 1 min, first with intact zones of
reflex regulation of blood circulation, and then with denervation of the carotid
sinuses. Although no quantitative determination of the minute volume of blood or the
peripheral resistance could be made, a good idea of the direction of changes in these
indices was obtained. Under the influence of transversely directed acceleration
forces, intact anesthetized dogs showed the following hemodynamic changes: decreased

Card 1/2   UDC: 612.13/.18.014.47:531.113

ACC NR: AP5027476

arterial pressure, increased pulse rate, decreased minute volume of blood, and in-
creased peripheral resistance. A whole series of interconnected reflex mechanisms
is involved in these changes. Thoracic and abdominal organs are squeezed during ac-
celeration, and there is some redistribution of blood in the lungs. Cardiovascular
activity in centrifuged animals showed a two-phase change: a phase of circulatory
disruption followed by a compensatory phase. Hyperfunction of the heart in the sec-
ond phase is apparently triggered by the disruption of blood flow to organs and
tissues in the first phase. Comparative restoration of the functional state of the
cardiovascular system was observed 3—7 min after the centrifuge had stopped. It
is interesting that denervation of the carotid sinuses causes a delay in the compen-
satory phase, probably connected with later activation of the aortal reflexogenic
zone. Thus, the carotid sinuses are an important link in the coordinated system of
reflex regulation of blood circulation. Orig. art. has: 1 table.   [JS]

SUB CODE: LS,SV/SUBM DATE: 08Jan65/ ORIG REF: 001/ OTH REF: 007/ ATD PRESS:4/33

Card 2/2

L 29238-66   EWT(1)   SCTB   DD

ACC NR: AP6019354   SOURCE CODE: UR/0219/65/060/012/0007/0010

AUTHOR: Shul'zhenko, Ye. B.

ORG: Laboratory of General and Experimental Cardiology (Headed by Active member of AMN SSSR, Professor V. V. Parin), Institute of Normal and Pathological Physiology (Directed by Active member of AMN SSSR, Professor V. V. Parin), AMN SSSR, Moscow (Laboratoriya obshchey i eksperimental'noy kardiologii Instituta normal'noy i patologicheskoy fiziologii AMN SSSR)

TITLE: Significance of sinocarotid reflex regulation of hemodynamic changes in the presence of transverse accelerations

SOURCE: Byulleten' eksperimental'noy biologii i meditsiny, v. 60, no. 12, 1965, 7-10

TOPIC TAGS: dog, blood pressure, cardiovascular system, neurophysiology

ABSTRACT: The dogs of both sexes weighing 10-15 kg each, under anesthesia (morphine 0.75 mg/kg, chloralose 50 mg/kg, nembutal 10 mg/kg) were exposed to increasing accelerations (3, 6 and 9 G's) for one minute each time, with catheters introduced into the cavity of the left ventricle and aorta. Pressure was recorded by means of tensometric sensors located at the heart level and rigidly attached to the chair of the centrifuge. After removal from centrifuge, bilateral denervation of the carotid sinuses was carried out and the experiment repeated. In the presence of intact carotid sinuses, systolic and diastolic pressure and pulse rate at first oscillate on exposure to G-forces but later during the exposure more or less return to normal. These

Card 1/2   UDC: 612.19:611.133-018.866:612.13.014.47:531.113.11

L 29238-66

ACC NR: AP6019354   0

changes occur against a background of an increased frequency or cardiac con-
tractions, enhanced vascular tonus, and slight oscillations of minute volume
of the blood. In animals with denervated carotid sinuses, on the other hand,
all the indicators of arterial pressure drop more sharply at the beginning of
exposure to G-forces and do not return to normal until after the centrifuge
is stopped. Thus, in dogs with intact sinuses the adaptive changes in the
cardiac rhythm and vascular tonus are sufficient to maintain arterial pressure
at the level required by the organism during exposure to overloads, whereas in
dogs with denervated sinuses the organism is incapable of compensating the
hemodynamic disturbances due to G-forces, because it is deprived of its caro-
tid-zone baroreceptors, so that the vascular tonus is lowered while the increase
in pulse rate and in minute volume of the blood is insufficient to compensate
for these hemodynamic disturbances. Hence, changes in vascular tonus may be
a leading factor in compensatory changes in the cardiovascular system; removal
of the carotid sinuses is equivalent to eliminating an important link in the
nervous reflex regulation of vascular tonus. This paper was presented by Active
Member AMN SSSR V. V. Parin, Professor, Head of General and Experimental
Cardiology Laboratory, Director of Institute of Normal and Pathological Physiology
on 31 April 1965. Orig. art. has: 2 figures. [JPRS]

SUB CODE: 06 / SUBM DATE: 31Apr65 / ORIG REF: 001 / OTH REF: 005

Card 2/2 CC

L 31757-65

ACCESSION NR: AR5005728   8/0313/64/000/010/0002/0002

SOURCE: Ref. zh. Issl. kosm. prostr. Otd. vyp., Abs. 10.62.13

AUTHORS: Shul'zhevich, V. A.

TITLE: Outstanding scientist and patriot. On the 85th birthday of N. A. Rynin

CITED SOURCE: Sb. tr. Leningr. in-t inzh. zh.-d. transp., vyp 213, 1963, 3-6

TOPIC TAGS: missile industry, history

TRANSLATION: The important services rendered by N. A. Rynin in the development of
interplanetary travel and rocket technology are noted. He was the first to formu-
late and solve the problem of studying the influence of inertial overloads on the
human organism during flight. In 1932 he published on of his major works --
"Meshplanetnyye soobshcheniya" (Interplanetary Communications). The work of N. A.
Rynin has contributed to a considerable degree to the tremendous progress of
science and technology of our days. Yu. S.

SUB CODE: GO, SV   ENCL: 00

Card 1/1

SHUL'ZHITSKIY, V.

Trench silos lined with boulders set in clay mortar. Sel' stroi.
13 no.8:6-7 Ag '58. (MIRA 11:9)
(Silos)

UTHOR: Shalizh.ger, S... and Tsyganov, ..., Kazgiprotsvetmet
             organisation.

BSTRACT: In this article, a description is given of the semi-
             industrial scale cyclone furnace for copper smelting designed
             by Kazgiprotsvetmet Organisation for the Balkhashsk Copper
             Smelting Works. The basis for the design was experimental
             work of the Energetics Institute of the Academy of Sciences
             of the Kazakhstan S.S.R. The cyclone proposed has a diameter
             of 1 000 mm and a height of 1 750 mm and is lined with chrome-
             magnesite brick. The cyclone is to be enclosed in a water
             jacket. It is expected that the installation will be able to
             smelt about 100 tons of charge per day.
                 A brief description is also given of a cyclonic installation
             designed by the organisation for semi-industrial tests on the
             sublimation and smelting of the poly-metallic ores of the
             Altai region, intermediate products and similar materials.
             This differs from the previously discussed cyclonic install-
             ation only in the gas-removal system.
                 An editorial note to this article points out that important
             details are lacking from the design information provided. The
             note also mentions that comparative tests carried out by the
             Giprotsvetmet organisation have shown that fluidised roasting

284

Semi-industrial installation for smelting copper concentrates in a cyclonic furnace. (Cont.)

in oxygen is superior to cyclonic processes for copper sulphide concentrates, and that semi-industrial experimental installations for the fluidised process should also be constructed.

There are 2 figures and 2 Russian references.

SHUL'ZINGER, S.M.

Using three-dimensional models in design. Prom.stroi. no.10:
22-23 '62.   (MIRA 15:12)

1. KazgiproNIIkhimmash.
                    (Industrial plants--Models)

SHUL'ZINGER, S.M.

      Green light to three-dimensional planning. Mashinostroitel'
      no.10:35-36 O '63.   (MIRA 16:12)

      1. Direktor instituta Kazgiproniikhimmash.

16.3500

30839
S/044/61/000/008/008/039
C111/C333

AUTHOR: Shum, A. I.

TITLE: P-separation and incomplete separation of the variables
               in the equation $\Delta_2 v = 0$ in spaces of constant curvature

PERIODICAL: Referativnyy zhurnal, Matematika, no. 8, 1961, 77,
               abstract 8A465.("Nauchn. dokl. vyssh. shkoly. Fiz.-
               matem. n." 1958, no. 5, 57-60

TEXT: In the space with the line element

$$ds^2 = H_1^2 d\varsigma_1^2 + H_2^2 \, d\varsigma_2^2 + H_3^2 d\varsigma_3^2$$

the author considers the generalized Laplace equation $\Delta_2 v = 0$, i.e.
the equation

$$\frac{\partial}{\partial\varsigma_1}\left(\frac{H_2 H_3}{H_1}\frac{\partial v}{\partial\varsigma_1}\right) + \frac{\partial}{\partial\varsigma_2}\left(\frac{H_1 H_3}{H_2}\frac{\partial v}{\partial\varsigma_2}\right) + \frac{\partial}{\partial\varsigma_3}\left(\frac{H_1 H_2}{H_3}\frac{\partial v}{\partial\varsigma_3}\right) = 0. \qquad (1)$$

In the space of constant curvature $k \lesseqgtr 0$ the author seeks: 1.) all the

Card 1/3

P-separation and incomplete separation...C111/C333

coordinate systems in which (1) admits a P-separation of the variables, i. e. in which the solution has the form

$$v = P(\varsigma_1, \varsigma_2, \varsigma_3) \, f_1(\varsigma_1) \, f_2(\varsigma_2) \, f_3(\varsigma_3) \, ,$$

where P is a completely determined function and each of the functions $\frac{f'i}{fi}$ (i = 1,2,3) contains at least two independent parameters; 2.) all the coordinate systems in which (1) admits an incomplete separation of variables, i. e. where its solution has the form

$$v = f_1(\varsigma_1) \, S \, (\varsigma_2, \varsigma_3),$$

where every function

$$\frac{f'_1}{f_1} \, , \quad \frac{d \ln S}{\partial \varsigma_2} \, , \quad \frac{d \ln S}{\partial \varsigma_3}$$

contains at least two independent parameters. It is proved that in spaces of constant curvature $k \neq 0$ the equation (1) admits a P-separation of the variables only in those coordinate systems in which a

Card 2/3

30839
S/044/61/000/008/008/039

P-separation and incomplete separation...C111/C333

complete separation is possible. In order that (1) admits an in-
complete separation of variables

$$(v = f_1 S_{23}, \ S_{23} \neq f_2 \cdot f_3),$$

it is necessary and sufficient that the surfaces ς_1 = const form
either a cluster of plane surfaces with common axis $(k \gtrless 0)$ or a
family of plane surfaces with common perpendicular line $(k < 0)$ or a
family of concentric spheres $(k \gtrless 0)$ or a family of equidistant surfaces
with common base plane $(k < 0)$ or a family of coaxial boundary surfaces
$(k < 0)$, and that the surfaces ς_1 = const are orthogonal to the
surfaces ς_2 = const and ς_3 = const.

[Abstracter's note: Complete translation.]

Card 3/3

SHE, L. I., Cand Phys—Math Sci — (diss) " Problems of separation of variables for the generalised Laplace equation in constant curve spaces." Mos, 1959. 6 pp including cover (os Order of Lenin and Order of Labor Red Banner State U im M.V. Lomonosov), 150 copies (, 29-59, 125)

— 8 —

SHUM, A.I., assistent

Partial P-separation of variables in the generalized Laplace's
equation in spaces with constant curvature. Trudy MIMESKH 4 no.1:
147-158 '59.   (MIRA 13:10)
                    (Harmonic functions)

16(1)
AUTHOR: Shum, A.I. (Moscow)   SOV/39-47-4-4/4

TITLE: The Question of Separation of the Variables in the Equation
             Δ_2 v = 0 in Spaces of Constant Curvature (Voprosy razdeleniya
             peremennykh v uravnenii Δ_2 v = 0 v prostranstvakh postoyannoy
             krivizny)

PERIODICAL: Matematicheskiy sbornik,1959,Vol 47,Nr 4,pp 495-512 (USSR)

ABSTRACT: In the space with
$$ds^2 = \sum_{i,j=1}^{3} g_{ij} \, dq_i \, dq_j \quad \text{the generalized}$$

Laplace equation

(1) Δ_2 v = 0

is considered, where it is

$$\Delta_2 v = \frac{1}{\sqrt{g}} \sum_{i,j=1}^{3} \frac{\partial}{\partial q} \left(\sqrt{g} \, g^{ij} \frac{\partial v}{\partial q_j} \right)$$

Definition : (1) admits an incomplete separation of the

Card 1/3

The Question of Separation of the Variables in the   SOV/39-47-4-4/:
Equation $\triangle_2$ v = 0 in Spaces of Constant Curvature

variables, if it possesses a solution $v = f_1(\varsigma_1) \cdot S(\varsigma_2, \varsigma_3)$,

whereby each of the functions $\dfrac{f_1'}{f_1}$, $\dfrac{\partial \ln S}{\partial \varsigma_2}$, $\dfrac{\partial \ln S}{\partial \varsigma_3}$ possesses

at least two independent parameters. Fundamental theorem :
In order that (1) admits an incomplete separation of the
variables it is necessary and sufficient that 1.) the surfaces
ς_1 = const are either a bundle of plane surfaces with common
axis (K $\gtrless$ 0) or parallel planes (K $\leqslant$ 0) or planes with a common
normal (K $<$ 0) or concentric spheres (K $\gtrless$ 0) or equidistant sur-
faces with common base plane (K $<$ 0) or coaxial boundary surfaces
(K $<$ 0) and 2.) the surfaces ς_1 = const are orthogonal to the
surfaces ς_2 = const, ς_3 = const. Theorem : In spaces of constant
curvature K $\neq$ 0 there exists no coordinate system in which a
P-separation in the sense of Darboux is possible and a complete

Card 2/3

The Question of Separation of the Variables in the   SOV/39-47-4-4/4
Equation $\triangle_2 v = 0$ in Spaces of Constant Curvature

separation ($P \equiv 1$) is impossible. The author mentions V.V.
Stepanov, V.A. Steklov, A.A. Fridman, M.N. Olevskiy.
There are 12 references, 4 of which are Soviet, 5 American, and
3 French.

SUBMITTED: July 31, 1957

Card 3/3   USCOMM-DC-60,930

SHCHIPALOV, P.K.; SHCH-, A.I.

Calculating s... present- Trudy Kal. torf. inst. no.13: 98-101
'63.
(MIRA 17:12)

SIDEL'KOVSKIY, M.P.; SHUM, B.M.; FRADIN, M.D.; TSILEVICH, I.Z.;
    BUL'SKIY, M.T.; YASHCHENKO, V.A.; KARPOV, G.D.

[Improvement of rolling-mill technology on the basis of
advanced experience] Usovershenstvovanie tekhnologii v
prokatnykh tsekhakh na baze peredovogo opyta. Moskva, Gos.
nauchno-tekhn. izd-vo lit-ry po chernoi i tsvetnoi metallur-
gii, 1953. 306 p.   (MLRA 7:3)
                                              (Rolling mills)

SHUM, B. M.

Use of Manipulators on the Back Side of a Blooming Mill.
B. M. Shum. (Stal', 1955, (3), 243–246). [In Russian].
Data are presented showing the advantages of manipulation
on the back as well as the front side of a blooming mill.

The application of manipulation for various operations is
considered and the design of manipulators is touched on.

SHUM, Boris Maksimovich; VASIL'YEV, Ye.P., redaktor; LANOVSKAYA, M.P.,
redaktor izdatel'stva; PETROVA, N.S., tekhnicheskiy redaktor

[The fittings of rail and structural steel, large shape mills]
Armatura rel'sobalochnykh i krupnosortnykh stanov. Moskva, Gos.
nauchno-tekhn. izd-vo lit-ry po chernoi i tsvetnoi metallurgii,
1956. 218 p.   (MLRA 9:10)
        (Rolling mills)

SHUM, B.M.

Rolling of economical SVP17 shapes for use as mine supports. Stal'
22 no.3:243-246 Mr '62.   (MIRA 15:3)

1. Zavod "Azovstal'".
                   (Rolling (Metalwork))

SHUM, L. F.

1str: 4E4j/4E2c/4F3d/
4E3c/4E4c

1/1

Temperature dependence of the magnetic susceptibility of alloys of the lead-tin system. E. S. Borovik and L. F. Shum. *Uchenye Zapiski Khar'kov. Univ.* 49, *Trudy Fiz. Otdel. Fiz.-Mat. Fak.* 4, 161–4(1953); *Referat. Zhur., Fiz.* 1955, Abstr. No. 24979.—The magnetic susceptibility, μ, of Sn, Pb, and 62, 80, and 90% b. wt. Pb were used and the measurements were made for the temp. range 20–300°. At room temp. $\mu_{Sn} = +0.031 \times 10^{-6}$ and $\mu_{Pb} = 0.109 \times 10^{-6}$. Values of μ_{Sn} were const. over the entire range of temp. A continuous increase in μ was observed for all of the alloys up to their eutectic temp. Below this temp. the values of μ decreases sharply. For alloys whose Pb content is greater than the eutectic compn. a min. was observed on the μ-temp. curve in the 2-phase region. The form of these curves was explained qualitatively on the basis of the additivity rule for μ of the liquid and solid phase. The relation of μ to the concn. is not linear. J. Rovtar Leach

7
5

SHUM, L.F.

Propagation of electromagnetic waves along composite lines.
Vestsi AN BSSR. Ser. fiz.-tekh. nav. no.4:16-22 '64.
(MIRA 18:3)

ACC NR: AP6024352   SOURCE CODE: UR/0428/66/000/001/0036/0045

AUTHOR: Shum, L. F.

ORG: none

TITLE: On one method of solving a telegraph equation with discontinuous coefficients

SOURCE: AN BSSR. Vestsi. Seryya fizika-matematychnykh navuk, no. 1, 1966, 36-45

TOPIC TAGS: boundary value problem, electromagnetic wave, transmission line, Kirchhoff network law, Laplace transform, Green function, integral equation

ABSTRACT: The following system of telegraph equations with discontinuous coefficients is examined:

$$-\frac{\partial u_j}{\partial x} = R_j i_j + L_j \frac{\partial i_j}{\partial t} + h_{j1}(x,\ t),$$

$$-\frac{\partial i_j}{\partial x} = G_j u_j + C_j \frac{\partial u_j}{\partial t} + h_{j2}(x,\ t),$$

$$x \in S_j,\quad S_j = (x_{j-1},\ x_j),\quad j = 1,\ 2,\ ...,\ n,\quad a = x_0 < x_1 < ... < x_n = b,$$

$$t > 0,$$

where $u_j(x,\ t)$, $i_j(x,\ t)$ are unknown functions expressing the voltage and current in S_j; R_j, L_j, G_j, C_j are nonnegative constant parameters in S_j; and $h_{j1}(x,\ t)$, $h_{j2}(x,\ t)$

Card 1/3

L 09991-67
ACC NR: AP6024332 O

are given functions characterizing the external electromagnetic effects. The initial
conditions are

$$u_j(x,\ 0) = \varphi_j(x),\quad i_j(x,\ 0) = \psi_j(x),\quad x \in S_j,$$

and the boundary conditions are

$$D_1\left(\frac{\partial}{\partial t}\right)u_1(a,\ t) + D_2\left(\frac{\partial}{\partial t}\right)i_1(a,\ t) = D_0\left(\frac{\partial}{\partial t}\right)u_0(t),$$

$$D_3\left(\frac{\partial}{\partial t}\right)u_n(b,\ t) - D_4\left(\frac{\partial}{\partial t}\right)i_n(b,\ t) = 0,$$

$$D_\nu\left(\frac{\partial}{\partial t}\right) = \sum_{k=0}^{n_\nu} d_{\nu k}\frac{\partial^k}{\partial t^k},\quad \nu = 0,\ 1,\ 2,\ 3,\ 4,$$

where $d_{\nu k}$ are constant parameters characterizing the transceiver devices. The
problem

$$L_{jx}(\bar{u}_j) \equiv \frac{d^2\bar{u}_j}{dx^2} - \gamma_j^2 \bar{u}_j = -\bar{\Phi}_j(x,\ p)\quad (j = 1,\ 2,\ \dots,\ n),$$

$$\bar{u}_j - \bar{u}_{j+1}|_{x=x_j} = 0,\quad \mu_{j+1}\frac{d\bar{u}_j}{dx} - \mu_j\frac{d\bar{u}_{j+1}}{dx}\Big|_{x=x_j} = \bar{F}_j(p)\ (j = 1,\ 2,\ \dots,\ n-1),$$

$$l_{1x}(\bar{u}_1) \equiv \alpha_a \bar{u}_1 + \beta_a\frac{d\bar{u}_1}{dx}\Big|_{x=a} = \bar{F}_0(p),\quad l_{2x}(\bar{u}_n) \equiv \alpha_b \bar{u}_n + \beta_b\frac{d\bar{u}_n}{dx}\Big|_{x=b} = \bar{F}_n(p).$$

is solved for a line of finite length, by finding the Green function $\tilde{G}(x,\ \xi,\ p)$.

Card 2/3

L 09901-67

ACC NR: AP6024552

A similar problem is solved for an infinite line. Representation of the contour integrals in the case of n - 2 in terms of special functions is examined. Orig. art. has: 41 formulas and 1 diagram.

SUB CODE: 12/ SUBM DATE: 26Jul65/ ORIG REF: 012/ OTH REF: 003

Card 3/3

SOV/68-58-12-15/25

AUTHOR: Shum, S.

(Na Gubakhinskom

TITLE: At the Gubakha   Coking Works   koksokhimicheskom zavode)

PERIODICAL: Koks i Khimiya, 1958, Nr 12, p 50 (USSR)

ABSTRACT: A plant for the rectification of naphthalene to produce
          a product suitable for the production of phthalic
          anhydride was built.

Card 1/1

SHUM, V.B.; SATSKIY, V.A.

Characteristics of rolling on a continuous wire rod mill. Met. i
gornorud. prom. no.5:65-67 S-O '64.   (MIRA 18:7)

SATSKIY, V.A.; SHUM, V.B. inzh.-kalibrovshchik

Improving the grooving of rolls of a continuous light-section mill. Metallurg 10 no.1:25-27 Ja '65.

(MIRA 18:4)

1. Krivorozhskiy metallurgicheskiy zavod.

SHUPIK, P.; LAVRIK, S.; SHUMADA, I.; LESHCHENKO, P.; MEDYANIK, R.; RADCHENKO, P.;
     PANCHENKO, V.; YESINENKO, L.; CHEBOTAREV, D.; BRATUS', V.; ISHCHENKO, I.;
     KOMISSARENKO, I.; KOLOMIYCHENKO, I.; MAKARCHENKO, A.; ARUTYUNOV, A.;
     SKRIPNICHENKO, D.; RODZAYEVSKIY, A.; PAVLENKO, K.; LEONENKO, K.;
     KOZYRENKO, N.; PARKHOMENKO, V.; CHEMEN'KO, M.

     Aleksandr Kirillovich Gorchakov; obituary. Vrach. delo no.8:144-145
     Ag '60.   (MIRA 13:9)
                    (GORCHAKOV, ALEKSANDR KIRILLOVICH, 1900-1960)

" ? ?, . . .: "Surgical treatment of patients with old traumatic hip
sprains." Kiev Order of Labor Red Banner Medical Inst imeni Aca-
demicir A. I. Bogomolets. Kiev, 195 .   (Dissertation for the
Degree of Candidate in Medical sciences)

Source: Kudzannan letopis' No. 28   1956   Moscow

PRILIPKO, T.I., kand.med.nauk; SHUMADA, I.V., kand.med.nauk (Kiyev)

Nikolai Ivanovich Pirogov. Vrach.delo no.12:1321-1324 D '56.
(MIRA 12:10)
(PIROGOV, NIKOLAI IVANOVICH, 1810-1881)

SHUMADA, I.V., kandidat meditsinskikh nauk (Kiyev, ul. Tolstogo, d. 1, kv.16)

Surgical treatment of patients with an inveterate dislocation ، the
femur caused by injury. Nov.khir.arkh. no.2:41-44 Mr-Ap '57.

(MLRA 10:8)

1. Klinika ortopedii i travmatologii dlya vzroslykh (zav. - prof.
A.G.Yeletskiy) Ukrainskogo nauchno-issledovatel'skogo instituta
ortopedii i travmatologii
(FEMUR--SURGERY)

SHUMADA, I.V.

Activities of medical societies in the Ukrainian S.S.R. Vrach.
delo no.10:1113 O '57.   (MIRA 10:12)
     (UKRAINE--MEDICAL SOCIETIES)

SHUMADA, Ivan Vladimirovich, kand.med.nauk; BRODSKIY, A.F., red.;
         POTOTSKAYA, L.A., tekhn.red.

         [Traumatic hip dislocations and their treatment] Travmati-
         cheskie vyvikhi bedra i ikh lechenie. Kiev, Gos.med.izd-vo
         USSR, 1959. 92 p.   (MIRA 13:1)
                   (HIP JOINT--DISLOCATION)

AKIMOV, V.I.; ALEKSEYENKO, I.P.; ALENT'YEVA, K.A.; AMOSOV, N.M.; ARUTYUNOV, A.I.;
    BRATUS', V.D.; VASHCHENKO, I.D.; GELLERMAN, D.S.; GRISHIN, M.A.;
    DANKEYEVA, T.N.; DENISOVA, A.G.; DOLGOVA, M.P.; IVANOV, N.A.; ISHCHENKO,
    I.N.; KATS, V.A.; KOLOMIYCHENKO, M.I.; LAVRIK, S.S.; LIMAREV, A.A.;
    NAZAROVA, N.G.; NOVACHENKO, N.P.; PETRUNYA, S.P.; PKHAKADZE, A.L.;
    RUDENKO, F.A.; SERGIYEVSKIY, V.F.; TAYTSLIN, I.S.; TARTAKOVSKIY, B.S.;
    CHIZHONOK, P.I.; SHALABALA, M.P.; SHUNADA, I.V.; SHUPIK, P.L.

    Konstantin Konstantinovich Skvortsov; obituary. Nov.khir.arkh.
    no.3:142-143 My-Je '59.   (MIRA 12:10)
         (SKVORTSOV, KONSTANTIN KONSTANTINOVICH, 1871-1959)

SHUMADA, I.V.

Care for the health of the Soviet people is at the center of attention of the Communist Party of the Soviet Government. Nov. khir. arkh. no.1: 3-6 Ja-F '60.   (MIRA 15:2)

1. Zamestitel' ministra zdravookhraneniya Ukrainskoy SSR.
                         (PUBLIC HEALTH)

SHUMADA, I.V.

      Concern of the Communist Party for the health of the Soviet people
      Vrach. delo no.9:4-9 S '61.   (MIRA 14:12)

      1. Zamestitel' ministra zdravookhraneniya USSR.
                          (PUBLIC HEALTH)

SHUMADA, I.V.

State and prospects of nurses' training in the Ukrainian S.S.R.
Med. sestra 20 no.7:7-11 Jl '61.   (MIRA 14:10)

1. Zamestitel' ministra zdravookhraneniya USSR, Kiyev.
    (UKRAINE—NURSES AND NURSING—STUDY AND TEACHING)

SHUMADA, I.V. (Kiyev)

Certification of physicians in the Ukrainian S.S.R. Sov. zdrav. 21
no.6:37-41 '62.   (MIRA 15:5)
                    (UKRAINE—PHYSICIANS)

SHUMADA, I.V.

Present status and means of improving the training of sub-professional medical personnel in the Ukrainian SSR.
Vrach. delo no.9:3-6 S 63.   (MIRA 16:10)

1. Zam. ministra zdravookhraneniya UkrSSR.
       (UKRAINE—MEDICINE—STUDY AND TEACHING)

ROZHINSKIY, Mark Mikhaylovich; MEZHENINA, Yelizaveta Petrovna;
     SHUMADA, I.V., red.

     [Restoration of the vital functions of the body in severe
     traumas] Vosstanovlenie zhiznennykh funktsii organizma
     pri tiazhelykh travmakh. Kiev, Zdorov'ia, 1965. 138 p.
                                        (MIRA 19:1)

SHUMADA, N., mladshiy nauchnyy sotrudnik

Glorious sons of Bulgaria. Nauka i zhyttia 11 no.3:56 Mr '62.
(MIRA 15:8)

1. Institut iskusstvovedeniya, fol'klora i etnografii AN UkrSSR.
(Miladinov, Dimitur, 1810-1862)
(Miladinov, Konstantin, 1832-1862)

ANTONOV, Ivan Aleksandrovich; BEREZINA, Mariya Nikitichna;
        SIROTYUK, A.K., retsenzent; KULIKOVA, T.I., retsenzent;
        SHUMAGINA, V.I., red.

        [Technology of the manufacture of men's coats] Tekhnologiia
        izgotovleniia muzhskikh pal'to. Moskva, Legkaia industriia,
        1965. 203 p.   (MIRA 18:9)

ACCESSION NR: AT3008542   S/2984/63/000/000/0080/0091

AUTHORS: Goreva, G. I.; Sabinin, Yu. A.; Nikolayev, P. V.; Shumakher, A. N.

TITLE: Automatic compensation of curvature in stellar telescopes

SOURCE: Novaya tekhnika v astronomii; materialy# soveshch. Komissii priborostroyen.
pri Astronom. sovete AN SSSR, Moskva, 18-20 aprelya 1961 g. Moscow, Izd-vo AN SSSR,
1963, 80-91

TOPIC TAGS: Cassegrain telescope, photoelectric following system, AP 250 Cassegrain
telescope, automatic control equipment, BTM 4 transformer, ETSh 2.6 meter telescope

ABSTRACT: The problem of building apparatus to compensate for deformation (bending)
of the telescope tube has arisen in recent years because of construction of large,
extensively automatic, astronomical instruments. Since all telescopes, besides
having a meridian circle and a transit, are built on an equatorial mounting,
compensation of directional error because of bending must be made by proper
correction of both the declination axis and the hour axis. From geometrical con-
siderations, the authors have found expressions to determine what the corrections
for zenith and hour angles must be. The corrections are then made automatically by
Card 1/3

ACCESSION NR: AT3008542

means of a photoelectric following system. The system was developed at the Institut
elektromekhaniki (Institute of Electromechanics) and was tested on a model tele-
scope having a tube of reduced rigidity. The model was designed, built, and
mounted jointly with personnel of the Glavnaya astronomicheskaya observatoriya
(Main Astronomical Observatory). It was based on the azimuthal telescope system of
the Cassegrain AP-250. The extensive modifications are described, and details are
given on the optical system and, particularly, on the photoelectric following
system. The authors conclude that the device works satisfactorily. Deficiencies
appear to be due to imprecise adjustments or alignments. A similar photoelectric
following system was also used for automatic compensation on the ETSh-2.6 meter
telescope at the Krymskaya astrofizicheskaya observatoriya (Crimean Astrophysical
Observatory), also with good results. The authors note that the amplifying part
of the following system may be effected with semiconductors and magnetic amplifiers,
and that the photoreceiver may consist of photoresistances or electronic amplifiers
with a fewer number of cascades, if the light flux is sufficiently large. Orig.
art. has: 10 figures and 10 formulas.

ASSOCIATION: Institut elektromekhaniki GK SM SSSR po avtomatiz. i mashinostr.
(Institute of Electromechanics GK SM SSSR for Automation and Machine Design)

Card 2/3

SHUMAKHER, A.V., inzhener.

Changing the insulation of railroad bridges without interruption
to train movement. Zhel.dor.transp. 37 no.10:79-80 O'55.(MLRA 9:1)

(Railroad bridges--Maintenance and repair)

SHUMAKHER, A.V., inzh.

Using movable supports in the construction of precast reinforced concrete bridges. Transp. stroi. 8 no. 7:11-13 Jl '58. (MIRA 11:7)
(Bridges, Concrete)

ACCESSION NR: AT3008538   S/2984/63/000/000/0023/0027

AUTHORS: Belyayev, Yu. A.; Gerasimova, T. S.; Dravskikh, Z. V.; Mikhel'son, N. N.;
Sumin, V. S.; Shkutova, N. A.; Shumakher, A. V.

TITLE: Control system for the RM-700 telescope

SOURCE: Novaya tekhnika v astronomii; materialy* soveshch. Komissii
priborostroyen. pri Astronom. sovete AN SSSR, Moskva, 18-20 apr. 1961 g. Moscow,
Izd-vo AN SSSR, 1963, 23-27

TOPIC TAGS: control system, automatic control, RM 700 telescope, telescope, ETsUM
digital control machine

ABSTRACT: A 700-mm reflector telescope (called the RM-700) has just been built at
the Pulkovskaya observatoriya (Pulkovo Observatory). It will be equipped with a
double control system. One aspect is a semiautomatic control from a key or with
one of two panels operating by semiautomatic control. The position of the tele-
scope will be computed on this panel, each coordinate having a double-metering
selsyn connection operating as an indicator. The hour mechanism will be a synchro-
nous motor, supplied by a quartz-crystal clock. The second part of the system is

Card 1/2

ACCESSION NR: AT3008538

automatic control by means of a digital electronic control device (ETsUM). This device has been described by Yu. A. Belyayev (1961, Izv. GAO AN SSSR, 169). It operates with a binary code of sidereal time, computed in angular scale from the panel. This involves the use of a quartz-crystal clock running on sidereal time, a frequency divider and power amplifier, a frequency converter, and a cumulative adder. The operation of the parts is described in considerable detail. "B. N. Batanov (deceased), Yu. N. Gell', and A. V. Korolev participated in this work." Orig. art. has: 7 figures.

ASSOCIATION: Glavnaya astronomicheskaya observatoriya AN SSSR (Main Astronomical Observatory AN SSSR)

SUBMITTED: 00   DATE ACQ: 16Oct63   ENCL: 00

SU CODE: AA, IE   NO REF SOV: 004   OTHER: 000

Card 2/2

ZAVGORODNIY, S.V.; FEDOSEYEVA, T.G.; SHUMAKHER, A.Ya.

Boron fluoride as a catalyst in organic chemistry. Part 14:
Alkylation of toluene and ethylbenzene by pseudobutylene.
Trudy VGU 57:107-116 '59.   (MIRA 13:5)
         (Butene) (Tolune) (Benzene)

SHUMAKHER, L., inzh.

Make wider use of local building materials. Zhil. stroi. no.5:14
'62.   (MIRA 15:6)
(Building materials industry)

POPOV, F., inzh.; ZHUKOV, S.; ZUBAREV, A., prepodavatel';
    SHUMAKHER, L.

Readers' letters. Sel'. stroi no.9:29 S '62.
                                              (MIRA 15:10)

1. Buyskiy sel'skokhozyaystvennyy tekhnikum (for Zubarev).
2. Glavnyy inzh. masterskoy No. 4 Gosudarstvennogo instituta
proyektirovaniya sel'skogo stroitel'stva (for Shumakher).

            (Construction industry)

Za ekonomiyu topliva, 1979, No 4, e. 15-16

31, 1945

SUSLOV, L., inzh.; SPILOV, N., inzh.; SHUMAKHER, L., inzh.

Rural construction requires precast elements. Zhil. stroi. no.10: 28-29 O '61. (MIRA 14:10)
(Precast concrete construction)

SHUMAKHER, L.I., inzh.

Gypsum and gypsum concrete details for the capital repair of houses.
Gor. khoz. Mosk. 35 no.8:41 Ag '61. (MIRA 14:8)
        (Apartment houses--Maintenance and repair)

SHUMAKHER, R.E.

Work on setting up prophylactic examinations for women in the
rural area. Zdrav. Ros. Feder. 5 no.10:31-33 O '61. (MIRA 14:10)

1. Glavnyy vrach Ust'-Kulomskogo rayona Komi ASSR.
         (KOMI A.S.S.R.—PUBLIC HEALTH, RURAL)

SHUMAKHER, R.E. (selo Ust'kulom)

Reorganizing the rural public health network. Sov. zdrav. 21 no.6:
25-29 '62.   (MIRA 15:5)

1. Glavnyy vrach Ust'kulomskogo rayona Komi ASSR.
                        (PUBLIC HEALTH, RURAL)

SHUMAKHER, SH. O.

-10

Lubricant for metal die pressing. D. A. Drapkin, Sh. O. Shumakher, I. G. Matveev, E. S. Pankova, A. D. Park-homovskaya, I. N. Kalugina, and N. A. Doroshina. U.S.-S.R. 105,249, Mar. 25, 1957. The lubricant, called prepn., "P-18," is a tech. mixt. of isomers of tetraisopropyldi-phenylmethane. M. Hosen.

ALEKSEYEV, M.D.; PARKHOMOVSKAYA, A.D.; SHUMAKHER, S.O.

Using seamless cans made from lacquered iron plate for the canning
of fish. Kons. i ov. prom. 13 no.4:3-6 Ap '58.   (MIRA 11:4)

1. Baltiyskiy rybokonservnyy kombinat (for Alekseyev). 2. Vsesoyuznyy
nauchno-issledovatel'skiy institut konservnoy i ovoshchesushil'noy
promyshlennosti (for Parkhomovskiy i Shumakher).
          (Containers) (Fish, Canned)

MATKARIMOV, M.T., assistent; SHUMAKHER, Ya.A., vrach

Biliary calculi in the verniform appendix in acute appendicitis.
Zdrav.Kazakh. 17 no.6:49-50 '57.   (MIRA 12:6)

1. Iz kafedry gospital'noy khirurgii Kazakhskogo gosudar-
stvennogo meditsinskogo instituta im. V.M.Molotova.
            (CALCULI, BILIARY) (APPENDICITIS)

SHUMAKHER, Yu.

Improving the organization forms of waste product utilization.
Mias.ind.SSSR 33 no.2:37-39 '62.   (MIRA 15:5)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut myasnoy
promyshlennosti.
              (Meat industry--By-products)

KALITA, L., inzh.; SHUMAKHER, Yu., inzh.

Determining prospective number of workers and funds for their
wages on the basis of consolidated time norms. Mias. ind. SSSR
29 no.1:40-42 '58.   (MIRA 11:3)
           (Meat industry--Production standards) (Wages)

GORODETSKIY, S.Ye., kand.ekon.nauk; LEVINA, L.I., starshiy nauchnyy
sotrudnik; MITUSOVA, N.M., starshiy nauchnyy sotrudnik; KALITA,
L.A., mladshiy nauchnyy sotrudnik; MIKHAL'CHI, Yu.M., mladshiy
nauchnyy sotrudnik; SHUMAKHER, Yu.Sh., mladshiy nauchnyy sotrudnik

Determining the extent of mechanization in the standards of
manual labor governing the enterprises of the meat industry.
Trudy VNIIMP no.9:158-164 '59.   (MIRA 13:8)
        (Meat industry--Equipment and supplies)

SHUMAKHER, Yu., inzh.-ekonomist

Ways of reducing expenditures for the transportation of live-
stock. Mias.ind.SSSR 30 no.2:29-31 '59. (MIRA 13:4)
                (Cattle--Transportation)

SHUMAKHER, Yu. Sh

Planning the extent of mechanization in the enterprises of the
meat industry. Mias.ind.SSSR 31 no.3:43-45 '60. (MIRA 13:9)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut myasnoy pro-
myshlennosti.
(Meat industry--Equipment and supplies)

KALITA, L.A., mladshiy nauchnyy sotrudnik; SHUMAKHER, Yu.Sh., mladshiy
nauchnyy sotrudnik

Methods of planning the number of workers and their salary funds
in accordance with the enlarged time rates. Trudy VNIIMP no.9:
165-173 '69.   (MIRA 13:8)
          (Meat industry)   (Wages and labor productivity)

SHUMAKHER, Yu.

Direct sale of cattle by collective farms to meat combines.
Mias.ind.SSSR 31 no.5:33-34 '60.   (MIRA 13:9)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut myasnoy
promyshlennosti.
                    (Cattle trade)

SHUMAKHER, Yu.

Further development of feed production. Mias. ind. SSSR 32
no.4:38 '61.   (MIRA 14:9)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut myasnoy
promyshlennosti.
                            (Feeds)

SHUMAKOV, A.; SHIROKOV, V.

The spring of people's initiative. Sov.profsoiuzy 6 no.16:60-
62 N '58.   (MIRA 12:2)
                    (Moscow--Textile workers)

SERGEYEV, A.A., red.; ANPILOGOV, I.M., red.; ASSONOV, V.A., red.; BABAYANTS, N.A., red.; BABOKIN, I.A., red.; BALAMUTOV, A.D., red.; BOGOROD-SKIY, N.N., red.; BOLOHENKO, D.N., red.; BUCHNEV, V.K., red.; VAKHMINTSEV, G.S., red.; VORONKOV, A.K., red.; GARKALENKO, K.I., red.; GORBATOV, P.Ye.; red.; GOLOVLEV, V.Ya., red.; DOKUCHAYEV, M.M., red.; DUBNOV, L.V., red.; YEVTEYEV, A.D., red.; YEREMENKO, Ye.K., red.; ZENIN, N.I., red.; KRIVONOGOV, K.K., red.; KUPALOV-YAROPOLK, I.K., red.; MATSYUK, V.G., red.; NIKOLAYEV, S.I., red.; ONISHCHUK, K.N., red.; PETROV, K.P., red.; PILYUGIN, B.A., red.; PLATONOVA, A.A., red.; POLESIN, Ya.L., red.; POKROVSKIY, L.A., red.; POMETUN, D.Ye., red.; POLYUSHKIN, A.Kh., red.; REYKHER, V.P., red.; SEDOV, N.A., red.; SIDORENKO, I.T., red.; FIDELEV, A.A., red.; CHAKHMAKHCHEV, A.G., red.; CHEMODUROV, M.Ya., red.; SHUMAKOV, A.A., red.; YARE-MENKO, N.Ye., red.; PARTSEVSKIY, V.N., red.izd-va; ATTOPOVICH, M.K., tekhn.red.

[Standard safety regulations for blasting operations] Edinye pravila bezopasnosti pri vzryvnykh rabotakh. Izd.2. Moskva, Gos. nauchno-tekhn.izd-vo lit-ry po chernoi i tsvetnoi metallurgii, 1958. 318 p.   (MIRA 13:1)

1. Russia (1923- U.S.S.R.) Komitet po nadzoru za bezopasnym vedeniyem rabot v promyshlennosti i gornomu nadzoru.
          (Mining engineering--Safety measures)

SHUMAKOV, A.G.

Large-frame tonofluorography of the lungs in pneumoconiosis.
Vrach. delo no.11:1209 N'58   (MIRA 12:1)

1. Krivorozhskiy institut gigiyeny truda i professional'nykh
zabolevaniy.
            (LUNGS--DUST DISEASES)
            (LUNGS--RADIOGRAPHY)

SHUMAKOV, A.G., (Krivoy Rog)

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1. Institut gigiyeny truda i profzabolevaniy.
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        (DIAGNOSIS, FLUOROSCOPIC)

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        (INDUSTRIAL HYGIENE,
                fluorography for workers in dusty cond. (Rus))
        (LUNG DISEASES, prev. & control.
                fluorograpy of workers exposed to dust in prev of tuberc.,
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SHUMAKOV, A.G.

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Vest.rent. i rad. 33 no.2:77 Mr-Ap '58.   (MIRA 11:6)

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        (LUNGS--DISEASES)
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Krivorozhskogo instituta gigiyeny truda i profzabolevaniy (dir. -
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        (LUNGS—DUST DISEASES)   (RADIOGRAPHY)
            (TUBERCULOSIS)   (DIAGNOSIS, DIFFERENTIAL)